

Description:

Apollo Dental Products' Air Compressors are designed to provide years of trouble-free, reliable service. Certain components do require periodic attention and service. Failure to adequately service these components will not only cause failure of the compressor, but will also result in unsatisfactory service.

Underwriter's Laboratories (UL) (cUL) File Number: MH13627
U.S. Food and Drug Administration (FDA) File Number: 2937927
City of Los Angeles Mechanical Test Labs File Number: M880066

If you require additional information, contact ADP Technical Support between the hours of 7:00 a.m. to 4:00 p.m. (Pacific Standard Time).

Installation:

Place the compressor in a clean, dry, well ventilated area, on a solid, level surface. Consider sound level and insulate as needed. Be sure that adequate ventilation is available as the compressor is air cooled. Ambient temperature in the room should be within the temperature range of 40 degrees Fahrenheit (4° C) minimum to 100 degrees Fahrenheit (38° C) maximum*.

* Excessive heat will reduce the efficiency of the compressor.

1. Remove unit from shipping carton.
2. Remove compressor from shipping skid.
3. Remove installation kit attached to pallet.
4. Install rubber feet on tank legs.
5. Move compressor into place.
6. Install flexible hose to office air supply line.
7. Install Condensate Drain Canister tubing to "tee" fitting below drying tower.
8. Wiring Instructions:
 (A) Using the open conduit connection provided, connect field wiring.

Start-Up:

1. Make sure the shut-off valve from the storage tank is closed.
2. Turn power "ON". Compressor should run quietly and the storage tank should begin to pressurize.
3. The compressor will run until the storage tank gauge registers 100 PSI. The compressor will then automatically shut-off by means of the preset pressure switch.

Note: It is normal for compressor to purge the pressure off the heads. This results in a sound of air rushing from the pressure switch.

4. Using soapy water, check the compressor plumbing joints for leaks that may have arose due to shipment.
5. Pressure test the office air system piping for leaks. Use the storage tank pressure gauge to monitor line pressure drop. Open the shut-off valve slowly and allow air to flow into the office air system. When the office air line has pressurized, after twenty (20) to thirty (30) seconds, note the storage pressure gauge reading. After ten (10) minutes, check the storage tank gauge reading. If the storage pressure gauge registers a lower reading, an air leak exists. Locate the leak(s) and repair.

Seal All Air Leaks!

Air Leaks Are The Main Cause Of Compressor Failures!

6. Fill out the warranty card within ten days to effect warranty. Please mail, fax or register on-line at www.apollodental.com.

Maintenance Kit: ACA85418

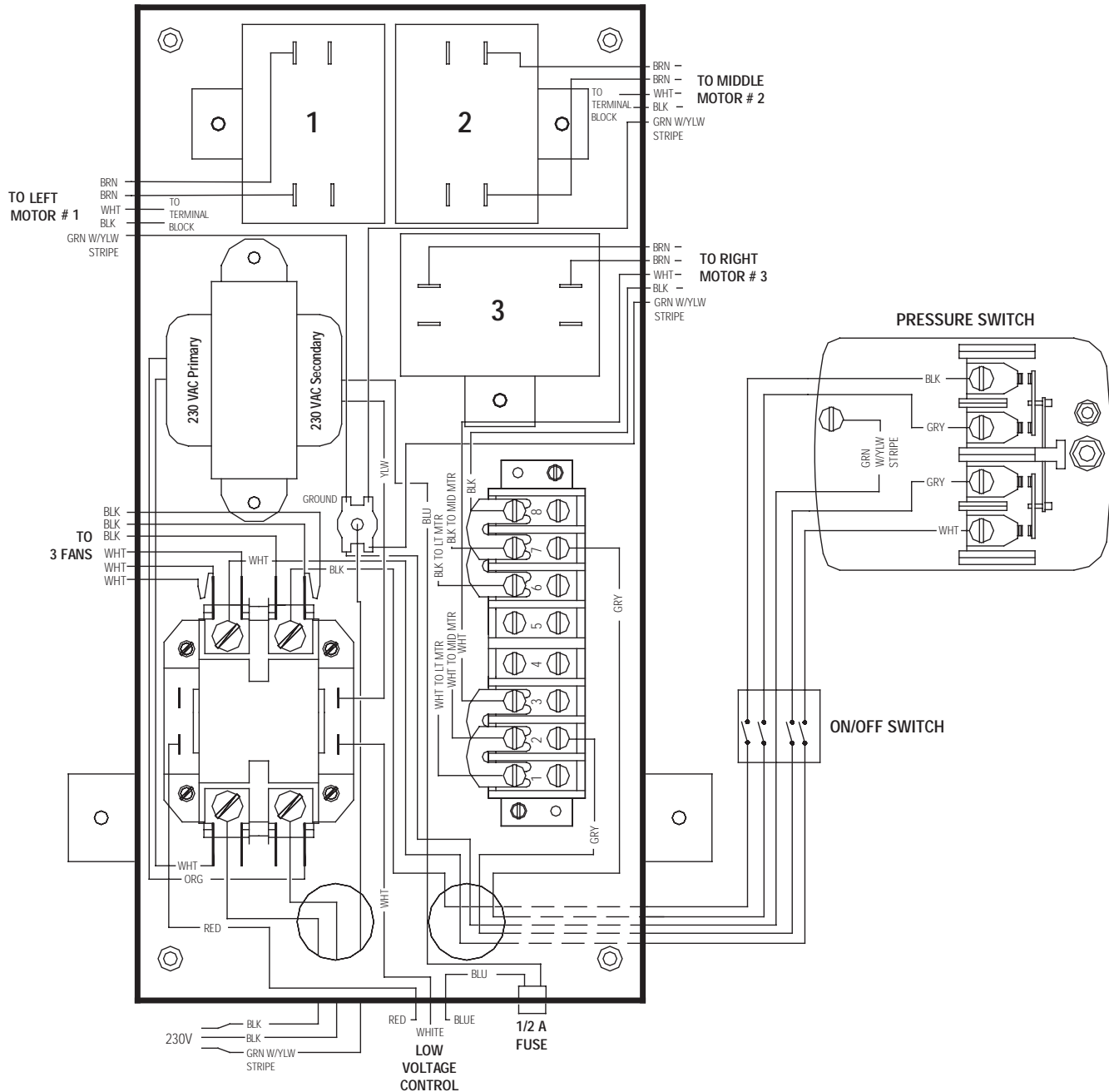
Intake filter and mufflers require periodic inspection and replacement. Initial inspection is suggested at 500 hours, and then the user should determine the frequency thereafter. Most problems can be prevented by keeping filter and mufflers clean. Dirty filters and mufflers decrease pump performance and can decrease pump life.

Filter Inspection and Replacement:

The head surface(s) on some models can be very hot during operation. Do not touch these parts until the pump has been turned off and allowed to cool. Some filter element(s) are held together by a snap fit. Remove the cover to replace the felt and reassemble.

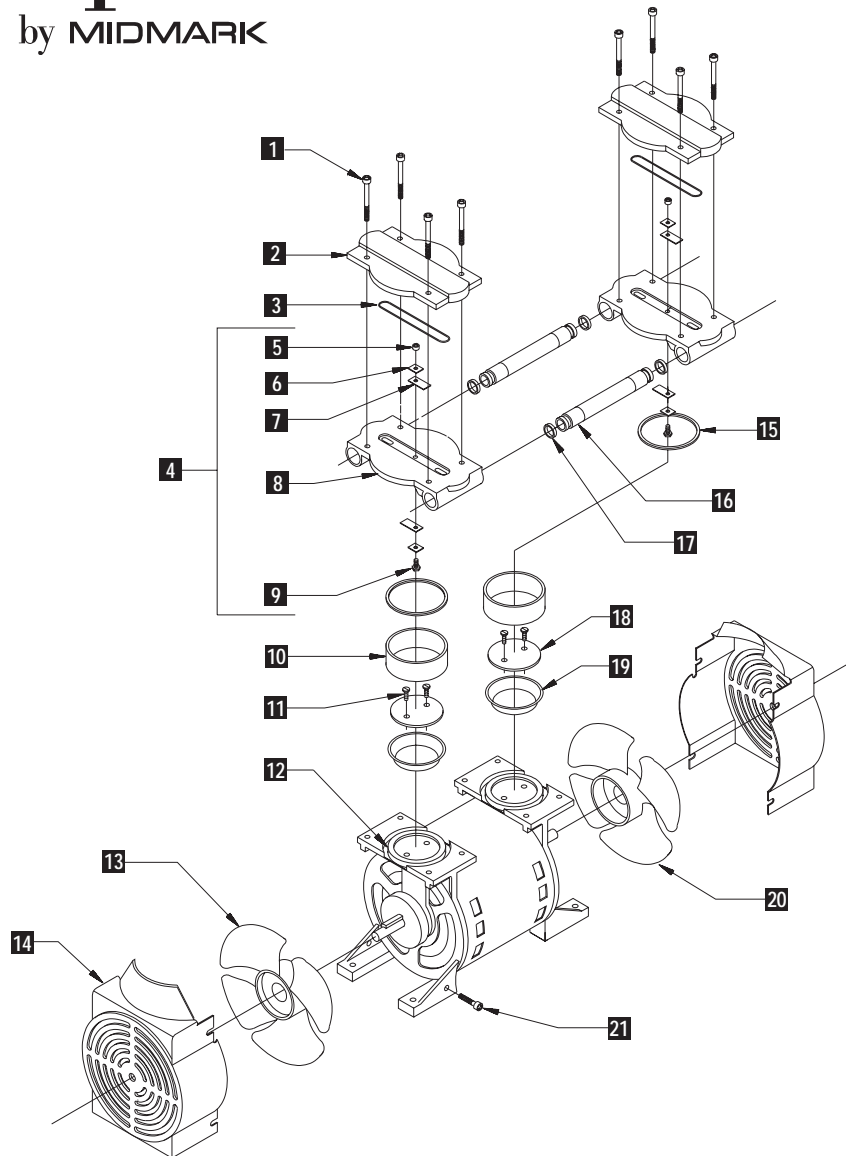
WARNING: Always disconnect the power before servicing. The head surface(s) can be very hot depending on pump usage. Do not touch these parts during or directly after operation.

Electrical Wiring Diagram



Model	Voltage	Amperage	KVA	Recommended Breaker Size
AOCRR42DQ	208	11	2.42	30 Amps

Voltage should be + -10% (A Buck-Boost Transformer may be needed).



Rebuild Kit: ACA86075
 (Includes the following items)

Number	Qty	Description
3	2	Head O-Ring
5	2	Hex Nut
6	4	Valve Retainer
7	4	Leaf Valve
9	2	Valve Screw
10	2	Cylinder
15	2	Cylinder O-Ring
17	4	Tube O-Ring
19	2	Piston Cup

Individual Replacement Parts List For Motor:

Number	Part Number	Description
1	HGA20101	Cap Screw
2	HGA20200	Head
3	HGA20306	Head O-Ring
4	HGA20205	Valve Plate Assembly
5	HGA20104	Hex Nut
6	HGA20201	Valve Retainer
7	HGA20202	Leaf Valve
8	HGA20204	Valve Plate
9	HGA20102	Valve Screw
10	HGA20303	Cylinder
11	HGA20100	Retainer Screw

Number	Part Number	Description
12	HGA20301	Rod Assembly
13	HGA20211	Fan
14	HGA20210	Shroud
15	HGA20304	Cylinder O-Ring
16	HGA20300	Cross Tube
17	HGA20305	Tube O-Ring
18	HGA20203	Retainer Plate
19	HGA20302	Piston Cup
20	HGA20212	Fan-Lead End
21	HGA20103	Shroud Screw

Replacement Parts List:

Part Number	Description	Part Number	Description
HGH30240	Comp. Head, 3/4 HP 208V	ACA85314	Kit, Dryer Replacement RR42D
ACA85215	Filter, Ultrair Assembly	ACA85965	Moisture Indicator
ACA85211	Kit, Float Assembly	ACA85345	Kit, Silica Bead Replacement All Dryers
SEA95540	Fan, 230V, with Screws	ETR10460	Relay, 24V
PGA70400	Gauge, Air Pressure	SPA95072	Solenoid Assembly RR42D
AAP85210	Indicator, Diff. Pressure	ECS10450	Switch, Pressure
PCT80450	Hose, 1/2" Clear Intake	ETR10500	Transformer, 115-220V 24VAC

TROUBLESHOOTING GUIDE:

Reason	Low Pressure	High Pressure	Excessive Noise	Over Heating	Won't Start
Dirty Coalescing Filter	• • •				
Dirty Intake Filter/Muffler	• • •			• • •	
Dirty Valves	• • •				
Bent/Damaged Valves	• • •			• • •	
Worn Piston Cup	• • •		• • •		
Leaky Hose	• • •		• • •		
Plugged Exhaust		• • •		• • •	• • •
Low Voltage				• • •	• • •

Warranty Information: 2 Year

All Apollo products are thoroughly inspected and tested in accordance with rigid specifications and standards. Our products are guaranteed against defective material and workmanship from the date of shipment; provided, that the installation, operation, and maintenance is done in accordance with Apollo's procedures as outlined in the provided manuals. **Warranty cards must be returned to Apollo within ten days of the installation to effect warranty.** No other warranties, or guarantees, expressed or implied are made.

Apollo's obligation under the warranty is to provide parts for the repair or, at Apollo's option, provide the replacement product, **excluding labor and shipping charges.** All special, incidental and/or consequential damages are excluded. Apollo will not issue credit for product without first attempting to correct the problem in the field. Written notice of breach of warranty must be provided to Apollo within the warranty period. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. On vacuum products, the **warranty does not cover failures due to hard water deposits.** Failure to following installation and operation procedures will void the warranty.